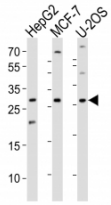
# ID1 Antibody (F41649)

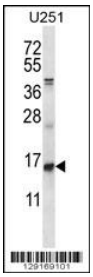
| Catalog No. | Formulation | Size |
|---|---|---|
| F41649-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F41649-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

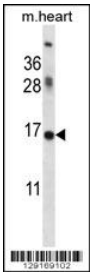
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse |
| **Predicted Reactivity** | Rat |
| **Format** | Antigen affinity purified |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Antigen affinity |
| **UniProt** | P41134 |
| **Applications** | Western Blot : 1:1000<br>IHC (Paraffin) : 1:10-1:50<br>Immunofluorescence : 1:10-1:50<br>Flow Cytometry : 1:10-1:50 |
| **Limitations** | This ID1 antibody is available for research use only. |



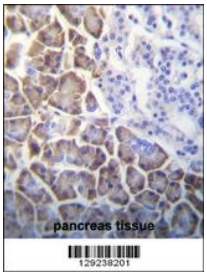

Western blot analysis of lysate from HepG2, MCF-7, U-2OS cell line (left to right) using ID1 antibody; Ab was diluted at 1:1000 for each lane.



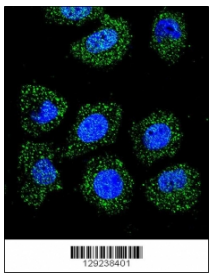

ID1 antibody western blot analysis in U251 lysate



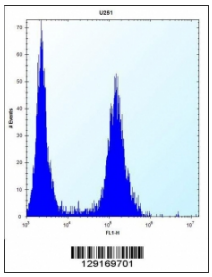

ID1 antibody western blot analysis in mouse heart tissue lysate




ID1 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue.




Confocal immunofluorescent analysis of ID1 antibody with U-251MG cells followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used as a nuclear counterstain (blue).




ID1 antibody flow cytometric analysis of U251 cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

## Description

The protein encoded by this gene is a helix-loop-helix (HLH) protein that can form heterodimers with members of the basic HLH family of transcription factors. The encoded protein has no DNA binding activity and therefore can inhibit the DNA binding and transcriptional activation ability of basic HLH proteins with which it interacts. This protein may play a role in cell growth, senescence, and differentiation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].

## Application Notes

Titration of the ID1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 66-93 from the human protein was used as the immunogen for this ID1 antibody.

## Storage

Aliquot the ID1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.